

**COTTENWOOD HILLS GAS COLLECTION SYSTEM  
WORKSHEET FOR NSPS MONITORING  
REQUIREMENTS FOR QUARTERLY SURFACE MONITORING POTENTIAL  
METHANE CONCENTRATIONS AT LANDFILL SURFACE**

DATE: MAR 25-2011 TEMP. 42°  
 TIME: 200pm- WIND DIRECTION N  
 TECHNICIAN D YEARNAL SITE CONDITIONS wet-

INSTRUMENT CALIBRATED YES/NO N S E- w.  
 BACKGROUND LIMIT PPM 1.2 2.2 1.1 1.4

**RECORDED EXCEEDANCES:**

ITEM 1. Found nothing over 55 PPM. PPM  
 2. PPM  
 3. PPM  
 4. PPM

**MAINTENANCE OR ADJUSTMENTS TO BE MADE.**

ITEM 1. PPM  
 2. PPM  
 3. PPM  
 4. PPM

**2ND EXCEEDANCE CHECK (WITHIN 10 CALENDAR DAYS) REMONITORING RESULTS.**

ITEM 1. PPM  
 2. PPM  
 3. PPM  
 4. PPM

**3RD EXCEEDANCE CHECK (WITHIN 20 CALENDAR DAYS) REMONITORING RESULTS.**

ITEM 1.	PPM
2.	PPM
3.	PPM
4.	PPM

**ADDITIONAL CONTROL MEASURES TO BE TAKEN**

ITEM 1.	PPM
2.	PPM
3.	PPM
4.	PPM

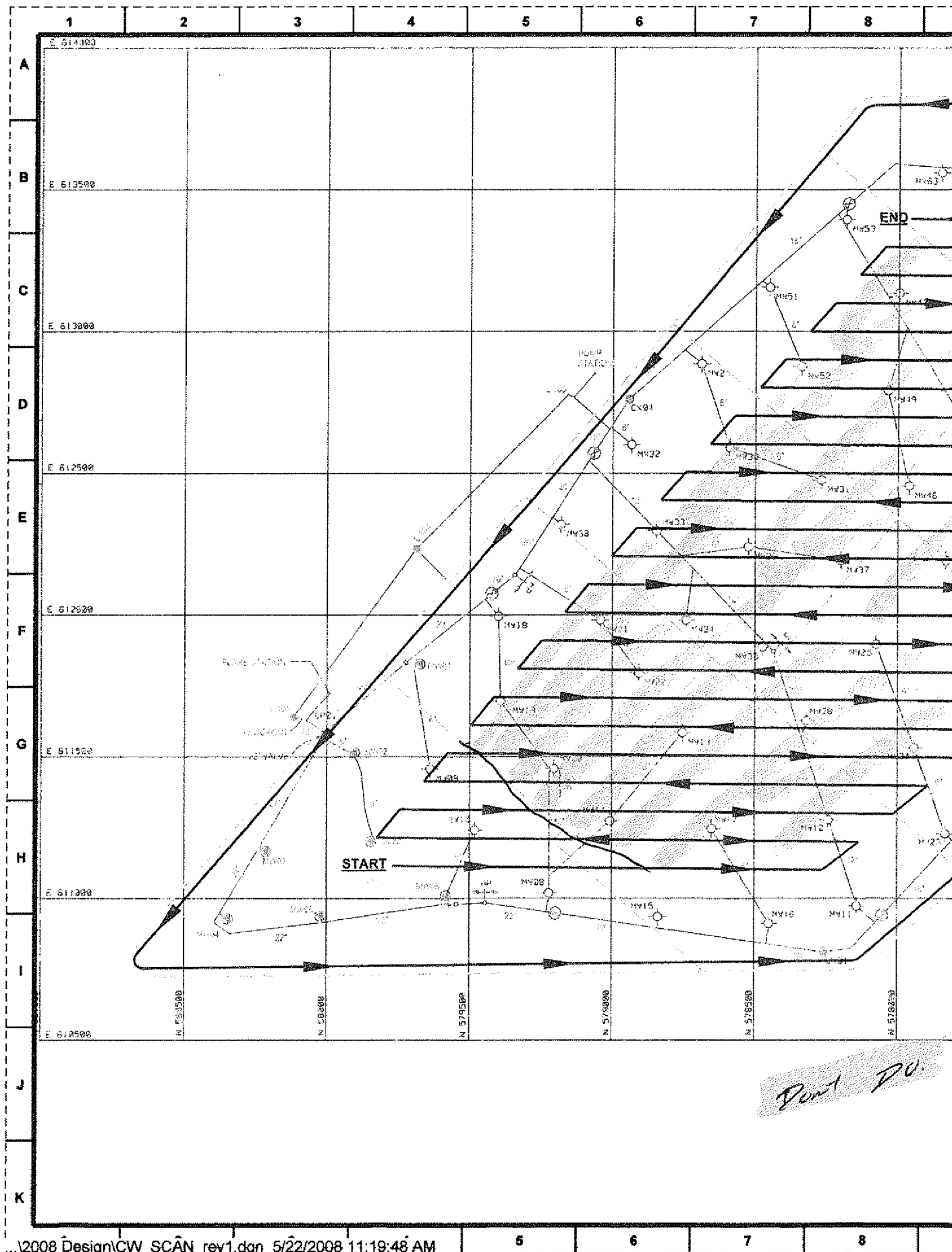
**REMONITORING RESULTS ( FOR EXCEEDANCES < 500 PPM DURING 2ND,OR 3RD REMONITORING EVENTS) WITHIN 1 MONTH OF INITIAL EXCEEDANCE.**

ITEM 1.	<i>Mar 28 - 2011</i>	PPM
2.	<i>Found nothing over</i>	PPM
3.	<i>50 PPM.</i>	PPM
4.		PPM

**COMMENTS:**

REVIEWED BY:

DATE:



2008 Design CW SCAN rev1.dwg 5/22/2008 11:19:48 AM

Cottonwood

WM00144

1<sup>st</sup> Qtr.  
2011

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WORKSHEET FOR NSPS MONITORING  
REQUIREMENTS FOR QUARTERLY SURFACE MONITORING POTENTIAL  
METHANE CONCENTRATIONS AT LANDFILL SURFACE**

**INSTRUMENT:** FOXBORO, TVA-1000B FLAME IONIZATION DETECTOR FOR  
TOXIC GAS VAPOR ANALYZING

MODEL: AB2BFAZ      S# 30987664      I.D.# 1505

CALIBRATION GAS: 1000 PPM METHANE GAS CONCENTRATION  
400 PPM ON EXCEEDANCE TESTING

**INSTRUMENT TRAINING:** OPERATION/ CALIBRATION

PROVIDED BY FOXBORO VIDEO AND O'BRIEN ENVIRONMENTAL CORP.

**MONITORING METHOD:**

CALIBRATE

ESTABLISH BACKGROUND CH<sub>4</sub> CONCENTRATION LEVEL  
UPWIND AND DOWNWIND OUTSIDE OF LANDFILL BOUNDARY, 30m FROM PERIMETER  
WELLS

EXCEEDANCE LEVEL IS 500 PPM, RECORDED AND MARKED LOCATIONS

COVER PERIMETER OF COLLECTION AREA AND FOLLOW SERPENTINE PATTERN  
AT 30m INTERVALS, BISECTING DISTANCE BETWEEN WELLS TO VERIFY ROI EFFICIENCY

PROBE DISTANCE TO SURFACE: 5-10 cm OR TOP OF VEGETATION  
METER READINGS TO HIGHEST PPM LOCATION AND HOLD FOR TWICE THE INSTRUMENTS  
RESPONSE TIME.

SEE ATTACHMENT MAP FOR SITE WALK PATTERN.